

Express Mail Number: EV 272909476 US

Date Deposited: 07/28/2003

APPROVED  
for  
DEPOSIT ACCOUNT CHARGE  
APR 11 2003  
PTO/SB/05 (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
11/11/2003

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	5846.005
First Inventor	William H. Hildebrand, et al.
Title	CLASS I SEQUENCE BASED TYPING OF HLA-A, -B, AND -C ALLELES BY DIRECT DNA SEQUENCING
Express Mail Label No.	EV 272909476 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 42]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description -Redline Specification \_\_\_\_ pgs
  - Claim(s) -Clean Specification \_\_\_\_ pgs
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 3 ]
5. Oath or Declaration [ Total Pages 5 ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Mail Stop Patent Appl., Comm. for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of (when there is an assignee)  Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: Fee Det. Record (1 page)

18. This application is:

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No.: 09/846,826

Prior application information: Examiner John S. Brusca

Group Art Unit: 1631

As a CON, DIV, or CIP, this application contains one or more changes to (1) the specification; (2) drawings; or (3) claims in the above-identified prior application. A red-line version of the application showing these changes will be made available to the examiner upon request.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	30589 (Insert Customer No. or Attach bar code label here)	<input type="checkbox"/> or <input type="checkbox"/> Correspondence address below	
Name	Dunlap, Coddng & Rogers, P.C.		
Address	P. O. Box 16370		
	Attn: Douglas J. Sorocco		
City	Oklahoma City	State	OK
Country	USA	Telephone	(405) 607-8600
			Fax (405) 607-8686

Name (Print/Type)	Douglas J. Sorocco	Registration No. (Attorney/Agent)	43,145
Signature	7.28.03		

SEND TO: Mail Stop Patent App  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. Utility Patent Application Transmittal (1 page); 2. Fee Transmittal (1 page) Authorizing the Commissioner to charge indicated fees of **\$375.00** (for Utility Filing Fee \$375.00) or any additional fee required under 37 C.F.R. 1.16 and 1.17 and/or credit any overpayments to Deposit Account Name **Dunlap, Coddng & Rogers, P.C.**; 3. Patent Application Fee Det. Record (1 page); 4. Complete Application for Publication (50 Pages) (Continuation of USSSN 09/846,826, filed May 1, 2001) including: (A) Specification (38 pages); (B) 6 Claims (3 pages); (C) Abstract (1 page); (D) 5 pages of Combined Declaration and Power of Attorney (from prior application); and (E) 3 sheets of formal drawings with labels identifying indicia (37 CFR 1.84 (c)); 5. Information Disclosure Statement (5 pages); 6. Form PTO/SB/08A (2 pages); 7. Return Postcard.

22154 U.S. PTO  
11/11/2003  
07/28/03

07/28/03  
U.S. POSTAL SERVICEExpress Mail No.: EV 272909476 US  
Date Deposited: 07/28/2003PTO/SB/17 (10-02)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 375)

## Complete if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	William H. Hildebrand, et al.
Examiner Name	John S. Brusca
Art Unit	1631
Attorney Docket No.	5846.005

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  None
 Deposit Account:

Deposit Account Number 04-1700  
Deposit Account Name Dunlap, Coddington & Rogers, P.C.  
Customer No. 30589

The Commissioner is authorized to: (check all that apply)  
 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	375		
1002 330	2002 165	Design filing fee			
1003 520	2003 260	Plant filing fee			
1004 750	2004 375	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
SUBTOTAL (1) (\$ 375)					

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
6	2		** = 0	X 0 = \$0	\$0
			** = 0	X 0 = \$0	\$0
					\$0

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 0)		

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

## Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Douglas J. Sorocco	Registration No. (Attorney/Agent)	43,145	Telephone	(405) 607-8600
Signature				Date	07/28/2003

## SEND TO:

Mail Stop Patent Application  
Commissioner for Patents  
PO Box 1450, Alexandria, VA 22313-1450

APPROVED

for

PTO DEPOSIT ACCOUNT CHARGE  
ACCOUNT #04-1700

KELLY &amp; SOROCO, P.C.

Express Mail No.: EV 272909476 US  
 Date Deposited: 07/28/2003

PTO/SB/06 (08-00)  
 Approved for use through 10/31/2002. OMB 0651-0032  
 U. S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

PATENT APPLICATION FEE DETERMINATION RECORD					Application or Docket Number 5846.005	
CLAIMS AS FILED - PART I (Column 1) (Column 2)					SMALL ENTITY OR OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE	FEES	RATE	FEES
BASIC FEE (37 CFR 1.16(a))				\$ 375		\$ 0
TOTAL CLAIMS (37 CFR 1.16(c))	6	minus 20 = * 0	x \$ 9 =	0	x \$ 18 =	0
INDEPENDENT CLAIMS (37 CFR 1.16(b))	2	minus 3 = * 0	x 42 =	0	x 84 =	0
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d)) 0			+ 140 =	0	+ 280 =	0
					TOTAL 375	OR TOTAL 0
* If the difference in column 1 is less than zero, enter "0" in column 2						
CLAIMS AS AMENDED - PART II (Column 1) (Column 2) (Column 3)					SMALL ENTITY OR OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
	Total (37 CFR 1.16(c))	*	Minus ** 20	= 0	x \$ 9 =	0
	Independent (37 CFR 1.16(b))	*	Minus *** 3	= 0	x 42 =	0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ 140 =	0
					TOTAL 0	OR TOTAL ADDIT. FEE 0
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
	Total (37 CFR 1.16(c))	*	Minus **	=	x \$ 9 =	0
	Independent (37 CFR 1.16(b))	*	Minus ***	=	x 42 =	0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ 140 =	0
					TOTAL 0	OR TOTAL ADDIT. FEE 0
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
	Total (37 CFR 1.16(c))	*	Minus **	=	x \$ 9 =	0
	Independent (37 CFR 1.16(b))	*	Minus ***	=	x 42 =	0
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(d))					+ 140 =	0
					TOTAL 0	OR TOTAL ADDIT. FEE 0
<small>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.  <small>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".</small>  <small>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".</small>  <small>The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.</small></small>						

SEND TO: Mail Stop Patent Application  
 Commissioner For Patents, PO Box 1450  
 Alexandria, VA 22313-1450